Summary of Requirements for UNDERGROUND STORAGE TANKS

- "New" tanks and piping are those installed after December 22, 1988.
- "Existing" tanks and piping are those installed before December 22, 1988.

RELEASE DETECTION	WAC 173-360-345 and WAC 173-360-350
TANKS	 Monthly Monitoring ¹ Daily Inventory Control and Tank Tightness Testing Every 5 Years (You can only use this choice for 10 years after installation or upgrade to meet 1998 standards.) ^{2,5,6}
NEW AND EXISTING PRESSURIZED PIPING Must use 1 from each set	 Automatic Flow Restrictor ⁷ Automatic Shutoff Device ⁷ Continuous Alarm System ⁷ Annual Line Testing Monthly Monitoring ^{1,3}
NEW & EXISTING SUCTION PIPING 3 Choices	 Monthly Monitoring^{1,3} Line Testing Every 3 Years No Requirements if piping meets certain conditions⁴
CORROSION PROTECTION WAC 173-360-305	
NEW TANKS 3 Choices	 Coated and Cathodically Protected Steel using sacrificial anodes, or impressed current Fiberglass Steel Tank Clad with Fiberglass (Composite)
EXISTING TANKS	 Same Options as for New Tanks Add Cathodic Protection System using sacrificial anodes, or impressed current Interior Lining Interior Lining and Cathodic Protection
NEW & EXISTING PIPING 3 Choices	 Cathodically Protected Steel using sacrificial anodes, or impressed current Fiberglass Flexible Piping (Corrosion Resistant)
SPILL/OVERFILL PREVENTION WAC 173-360-305	
AII TANKS	 Catchment Basin Automatic Shutoff Device or Overfill Alarm or Ball Float Valve

¹ Monthly monitoring methods for tanks include Automatic Tank Gauging, Vapor Monitoring, Interstitial Monitoring, Groundwater Monitoring, Statistical Inventory Reconciliation, and other approved methods.

² Tanks between 1001 - 2000 gallons may use weekly tank gauging in place of daily inventory control in conjunction with tank tightness testing (see WAC 173-360-345).

³ Monthly monitoring methods for piping do not include Automatic Tank Gauging unless equipped with electronic line leak detectors/electronic line testing device.

⁴ Only when check valve is located directly below the dispenser and piping is sloped towards tanks.

⁵ Tanks 1,000 gallons or less can use weekly tank gauging for the life of the tank.

⁶ Emergency generator tanks 2000 gallons or less can use weekly tank gauging or monthly tank gauging for the life of the tank (check tank size to determine if the 5 year tightness test is required).

⁷ An annual test of the line leak detector must be conducted in accordance with the regulations.

Individuals who perform underground storage tank services must be certified by the International Code Council (ICC) per WAC 163-360 Part VI.

CORROSION PROTECTION TESTING WAC 173-360-320	
ALL STEEL TANKS	Impressed current • test at installation ³ • test within 6 months of installation ³ • test every 3 years ³ • must be inspected every 60 days to ensure equipment is running properly ^{1,2}
	Sacrificial Anodes • test at installation ³ • test within 6 months of installation ³ • test every 3 years ⁴
	Interior Lining only • interior inspection within 10 years, every five years thereafter
	Interior Lining and Cathodic Protection • interior lining does not require an interior inspection, however, test ³ required every 3 years for cathodic protection system.
FIBERGLASS AND STEEL TANKS CLAD WITH FIBERGLASS	Do not require additional corrosion protecting or testing.
ALL STEEL PIPING	Impressed Current or corrosion test every three years Sacrificial Anodes • must be replaced if there is a failure or a release
FIBERGLASS PIPING	may be repaired per manufacturer's specifications
REPAIRS TO CATHODIC PROTECTION SYSTEM	Repairs shall be tested at the time of retrofit or repair, and again within 1 to 6 months following repairs, then tested every three years.

¹ Inspected means to see if functioning properly. If there are changes, call an ICC certified service provider.

REPAIRS TO TANKS AND LINES WAC 173-360-325

- Must perform tightness test within 30 days of repair.
- Test must be performed by ICC certified tester.
- Department of Ecology Retrofit/Repair Checklist must be submitted to Ecology within 30 days.
- Owners must maintain records of repairs.

FINANCIAL RESPONSIBILITY STATEMENT WAC 173-360 Part IV

Owners or operators of petroleum underground storage tanks shall demonstrate financial responsibility for taking corrective action and for compensating third parties for bodily injury and property damage caused by accidental releases arising from the operation of petroleum underground storage tanks.

² Results of last 3 inspections (performed by owner/operator) must be maintained to demonstrate compliance.

³ Testing is to be conducted by ICC certified, corrosion protection expert to ensure the cathodic protection system meets corrosion protection standards.

⁴ Results from last 2 tests (performed by ICC tester) must be maintained to demonstrate compliance.